

TensiStrength db creator webapp instructions

File Check

Extract the zip file > open the folder where all the files are available

- Required {python 3.7 +,Vscode}

Name	Date modified	Type	Size
__pycache__	28-03-2022 02:09 PM	File folder	
pvenv	28-03-2022 02:09 PM	File folder	
sentistrength_bd_algo	28-03-2022 02:14 PM	File folder	
TensiStrength	28-03-2022 02:43 PM	File folder	
readme.docx	28-03-2022 02:10 PM	Microsoft Word D...	0 KB

SentiStrength method file location

Open “sentistrength_bd_algo\dbapp\single_function.py” in VsCode

```
single_function.py X
E: > college data > Final Year Project > submission_zips > webapp > TensiStrength_db_webapp > sentistrength_bd_algo > dbapp > dbalgo_logic > single_function.py > ...
1 from dataclasses import dataclass
2 import nltk
3 from sentistrength import PySentiStr
4 nltk.download('wordnet')
5 nltk.download('omw-1.4')
6 from sentistrength import PySentiStr
7 from nltk.corpus import wordnet
8
9
10 senti = PySentiStr()
11 senti.setSentiStrengthPath('E:\college data\Final Year Project\Code\Final code\TensiStrength\TensiStrengthMain.jar')
12 senti.setSentiStrengthLanguageFolderPath('E:\college data\Final Year Project\Code\Final code\TensiStrength\TensiStrength_Data')
13
```

To make sentistrength run we have to specify the resource paths for

```
senti.setSentiStrengthPath('E:\college data\Final Year Project\Code\Final code\TensiStrength\TensiStrengthMain.jar')
senti.setSentiStrengthLanguageFolderPath('E:\college data\Final Year Project\Code\Final code\TensiStrength\TensiStrength_Data')
```

The files are in the folder “TensiStrength”

Name	Date modified	Type	Size
TensiStrength_Data	28-03-2022 02:43 PM	File folder	
TensiStrengthMain.jar	24-01-2022 09:02 PM	Executable Jar File	6,426 KB

Update the path of this file and save the code.

RUN WEBAPP

Open “cmd” at this location > “where thi files are located on your system”.

Enter the command “`pvenv\scripts\activate`”.

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1586]
(c) Microsoft Corporation. All rights reserved.

E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp>pvenv\scripts\activate
```

Check if the virtual environment is activated.

```
(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp>
```

Check for all files with command “dir” double check with this screenshot.

```
28-03-2022 14:10 <DIR> .
28-03-2022 14:10 <DIR> ..
28-03-2022 14:09 <DIR> pvenv
28-03-2022 14:10      0 readme.docx
19-03-2022 14:01 <DIR> sandbox
28-03-2022 14:09 <DIR> sentistrength_bd_algo
16-03-2022 20:23 <DIR> __pycache__
                1 File(s)      0 bytes
                6 Dir(s)  489,779,785,728 bytes free

(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp>
```

- Ignore sandbox that was for testing purpos.

cd to the location of webapp

Enter command “`cd sentistrength_bd_algo`”

```
(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp>cd sentistrength_bd_algo
(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp\sentistrength_bd_algo>
```

Run server by using command “python manage.py runserver”

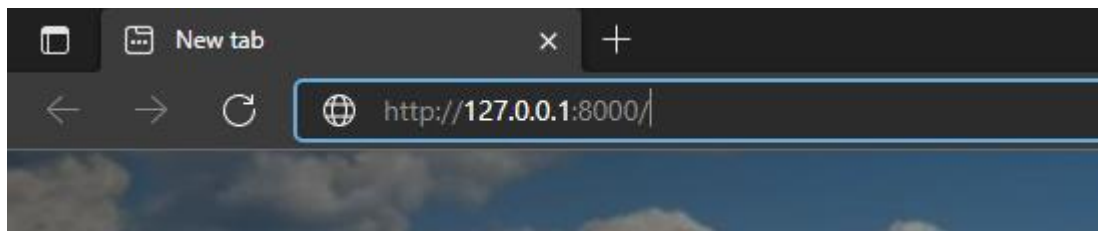
```
(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp\sentistrength_bd_algo>python manage.py runserver
```

If every instruction and requirement is followed correctly the server should run and a host ‘url’ should be provided.

```
(pvenv) E:\college data\Final Year Project\submission_zips\webapp\TensiStrength_db_webapp\sentistrength_bd_algo>python manage.py runserver
Watching for file changes with StatReloader
Performing system checks...

[nltk_data] Downloading package wordnet to
[nltk_data] C:\Users\prati\AppData\Roaming\nltk_data...
[nltk_data] Package wordnet is already up-to-date!
[nltk_data] Downloading package omw-1.4 to
[nltk_data] C:\Users\prati\AppData\Roaming\nltk_data...
[nltk_data] Package omw-1.4 is already up-to-date!
System check identified no issues (0 silenced).
March 28, 2022 - 14:14:17
Django version 3.2.12, using settings 'sentistrength_bd_algo.settings'
Starting development server at http://127.0.0.1:8000/
Quit the server with CTRL-BREAK.
```

Copy that url and past it in your browser



The web app will run and you can perform operations here.

INPUT PAGE

TensiStrength db Creator:\$

Instruction

To create new data base for SentiStrength
Enter raw data in the textarea below.
The data should only be in English Language.
The data should not contain special characters, numbers to improve processing.
As the time take for multiple Tensistrength score computaion is more the process may take some time.
After entering data press submit button and wait.

Textarea

Enter raw data here.....

Submit

OUTPUT PAGE

algo output

127.0.0.1:8000/counter

DataBase

died -3 -2

Data Words

died

DataBase Update Instruction

Copy the txt in "DataBase" section to "TensiStrength_Data/SentimentLookupTable.txt"

Copy the txt in "Data Words" section to "TensiStrength_Data/Dictionary.txt"

Words that may requier psychological study.

Create new DataBase